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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/795,834	03/09/2004	Chii-Moon Liou	SP4006-1429-AAR	1271

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03/04/2008

EXAMINER

LETT, THOMAS J

ART UNIT	PAPER NUMBER
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2625

MAIL DATE	DELIVERY MODE
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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/795,834

Applicant(s)

LIOU, CHII-MOON

Examiner

Thomas J. Lett

Art Unit

2625

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 09 March 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-7 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 09 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

1. Claims 1-5 and 7 are rejected under 35 U.S.C. 102(e) as being anticipated by

Funawatari et al (USPN 7,333,328 B2).

Regarding claim 1, Funawatari et al disclose a blue tooth (Bluetooth, col. 25, lines 4-10) hard disk receiver (portable hard disk unit 1, col. 6, lines 13-18) for wireless receiving (via Bluetooth, col. 25, lines 4-10) and storing image data (col. 1, lines 26-34);

the blue tooth hard disk receiver comprising:

a first, blue tooth module (Bluetooth interface, col. 25, lines 4-10) for receiving image data from an external device (via cradle 3, host devices 4, 6 or wirelessly from another bluetooth device, col. 25, lines 4-10) having a second blue tooth module; and

a hard disk drive (host devices 4, 6) for storing image data transferred from the first blue tooth module.

Regarding claim 2, Funawatari et al disclose a blue tooth hard disk receiver as claimed in claim 1, wherein the external device is a blue tooth memory card (host devices 4, 6 or another portable hard disk unit 1 since Bluetooth-enabled devices inherently send/receive data.).

Regarding claim 3, Funawatari et al disclose a blue tooth hard disk receiver as claimed in claim 1, wherein the blue tooth hard disk receiver further comprises a casing (housing 8, see

figure 4), a circuit board (circuit board 28, figure 5B), a microprocessor (controller 105, figure 8), an IDE conversion interface (IDE interface circuit 103, col. 9, lines 46-49, figure 8), a USB interface (USB connector 44), a power supply module (adaptor 2, col. 14, lines 62-64) and a battery (battery 41).

Regarding claim 4, Funawatari et al disclose a blue tooth hard disk receiver as claimed in claim 1, wherein the data received by the blue tooth hard disk receiver is transferred to the hard disk drive through an IDE conversion interface (IDE interface circuit 103, see at least col. 9, lines 46-49).

Regarding claim 5, Funawatari et al disclose a blue tooth hard disk receiver as claimed in claim 1, wherein the blue tooth hard disk receiver is connected to one of a computer (see figure 2) and a notebook computer (see figure 1) through a USB interface;

data in the hard disk drive is transferred to the computer or the notebook computer through the USB interface (connected via a USB compliant interface, see col. 24, line 65 – col. 25, line 10).

Regarding claim 7, Funawatari et al disclose a blue tooth hard disk receiver as claimed in claim 1, wherein the first blue tooth module in the blue tooth hard disk receiver is connected to a third blue tooth module in one of a computer and a notebook computer so as to wirelessly transfer image data to the computer or the notebook computer (via cradle 3, host devices 4, 6 or wirelessly from another Bluetooth-enabled device, col. 25, lines 4-10).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and

the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Funawatari et al (USPN 7,333,328 B2) in view of Okamoto (US 6,965,954 B2).

Regarding claim 6, Funawatari et al do not expressly disclose a blue tooth hard disk receiver as claimed in claim 5, wherein the data in the hard disk drive is cleared by the USB interface.

Okamoto teaches a USB SB/control bus conversion software 23 is firmware recorded in the USB/control bus converter 14 of the conversion unit 5. The USB/control bus conversion software 23 is regarded as a USB device (col. 5, lines 58-61) and that the USB transmission-processing section B7 deletes data stored in the memory, see col. 9, lines 40-42.

Funawatari et al and Okamoto are analogous art because they are from the similar problem solving area of data storage. At the time of the invention, it would have been obvious to a person of ordinary skill in the art to add the USB deletion of data feature of Okamoto to the USB HDD device of Funawatari et al in order to obtain a device capable of deleting data stored in memory. The motivation for doing so would be to erase unnecessary data.

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Kobayashi et al (US 20030045327 A1) teaches a storage device 1 with a USB connection that uses Bluetooth wireless communication to transmit/receive image data.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to THOMAS J. LETT whose telephone number is (571)272-7464. The examiner can normally be reached on 8-4:30pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David K. Moore can be reached on (571) 272-7437. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Thomas J. Lett/
Examiner, Art Unit 2625



DAVID MOORE
SUPERVISORY PATENT EXAMINER
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